**Project name: Predicting Life Expectancy using Machine Learning**

**Project Summary:**

This project is about building a model to predict the life expectancy of a human being with the help of given effecting factors.

The model can predict the life expectancy value for future to come, considering all the other effecting factors it depends upon.

**Project Requirements:**

1. Knowledge about python language and machine learning

2. Dataset by WHO

3. IBM Cloud services:

a. Watson Studio to make

b. Node RED for interface to predict value

c. Machine Learning service for integrating ML model with Node RED

**Functional Requirements:**

-> Smartinternz platform.

-> Creating the data model based on the dataset for which the essential is the dataset.

-> The dataset depend upon the different countries but predicting life expectancy based on country factor might be difficult and hence we decided to exclude these countries from the final data-frame in the model.

**Technical Requirements:**

I. GitHub

II. Dataset of Life expectancy by WHO

III.Python

**Software Requirements:**

Python Notebook, IBM Watson studio, IBM Cloud(with essential services like Node RED, Machine Learning, Watson Studio), Excel editor.

**Project Deliverables:**

Machine Learning model for predicting the life expectancy.

Node RED flow for web-page as an interface to predict Life Expectancy value.

**Project Team*:*** Abhinav Roy *(Individual)*

**Project Schedule:**  
1. Getting the dataset on life expectancy by WHO.

2. Analyze the factors affecting the life expectancy.

3. Data preprocessing or cleaning the dataset.

4. Splitting the data and train it.

5. Predict the value

6.Debugging the code.

7. Deploy the Model.